PATENT COUPERATION THEATY

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below			
nternational application No.	International filing date (da)	//month/year)	(Earliest) Priority	Date (day/month/year)
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This International Search Report has be according to Article 18. A copy is being	een prepared by this International transmitted to the International E	al Searching Auth Bureau.	nority and is transmitt	ed to the applicant
This International Search Report consis	ts of a total of 3	sheets,		
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The figure of the drawings to be publ	ished with the abstract is Figure	No.	2a	· · · · · · · · · · · · · · · · · · ·
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PCT/US 03/19723 CLASSIFICATION OF SUBJECT MATTER C 7 H01L21/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α US 6 339 730 B1 (MATSUSHIMA) 1,8,11, 15 January 2002 (2002-01-15) 14, 15, 17 abstract; figure 1 Α EP 0 891 840 A (KOMATSU LTD.) 1,8,11, 20 January 1999 (1999-01-20) 14,15,17 abstract; figure 3 page 9, line 5-15 EP 1 102 137 A (LAM RESEARCH CORPORATION.) Α 1,8,11, 23 May 2001 (2001-05-23) 14, 15, 17 abstract; figure 3F Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date "A" document defining the general state of the art which is not or priority date and not in conflict with the application but cited to understand the principle or theory underlying the considered to be of particular relevance *E* earlier document but published on or after the international invention filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 3 December 2003 11/12/2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

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